

#4

**INFORMATION DISCLOSURE CITATION**  
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Docket Number (Optional)

HAL-11303/04

Application Number

Applicant(s)

Toshiharu Nogi et al.

Filing Date

Group Art Unit

TO  
11000 U.S.  
09/83983
**U.S. PATENT DOCUMENTS**

| *EXAMINER<br>INITIAL | REF | DOCUMENT NUMBER | DATE    | NAME           | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|-----|-----------------|---------|----------------|-------|----------|-------------------------------|
| JWH                  |     | 4,587,941       | 5/1986  | Mishina et al. | 123   | 550      |                               |
|                      |     | 4,627,405       | 12/1986 | Imhof et al.   | 123   | 549      |                               |
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|                      |     | 5,322,043       | 6/1994  | Shriner et al. | 123   | 306      |                               |
|                      |     | 5,394,857       | 3/1995  | Yanakawa       | 13    | 686      |                               |
|                      |     | 5,465,701       | 11/1995 | Hunt           | 123   | 531      |                               |
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|                      |     | 5,529,035       | 6/1996  | Hunt et al.    | 123   | 179.15   |                               |
| JWH                  |     | 5,598,826       | 2/1997  | Hunt et al.    | 123   | 491      |                               |

**FOREIGN PATENT DOCUMENTS**

|  | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation |    |
|--|-----|-----------------|------|---------|-------|----------|-------------|----|
|  |     |                 |      |         |       |          | YES         | NO |
|  |     |                 |      |         |       |          |             |    |
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|  |     |                 |      |         |       |          |             |    |
|  |     |                 |      |         |       |          |             |    |

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

|     |  |  |
|-----|--|--|
| JWH |  | SAE 880558. Nogi et al.: Mixture Formation of Fuel Injection Systems in Gasoline Engines: Feb. 29-March 4, 1988. |
|     |  |  |

EXAMINER

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.